

SEQUENCE LISTING

<110> Carr et al.

<120> NOVEL CHIMERIC ANALGESIC PEPTIDES

<130> 18475-016

<140> 09/428,692

<141> 1999-10-28

<160> 43

<170> PatentIn Ver. 2.0

<210> 1

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 1

Tyr Gly Gly Phe Met Thr Ser Glu Ser Gln Thr Pro Leu Val Thr

1

5

10

15

a!

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 2

Tyr Pro Trp Phe

1

<210> 3

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 3  
Tyr Pro Phe Phe  
1

<210> 4  
<211> 7  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: recombinant

<400> 4  
Tyr Ala Phe Gly Tyr Pro Ser  
1 5

<210> 5  
<211> 7  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: recombinant

<400> 5  
Tyr Pro Phe Pro Gly Pro Ile  
1 5

<210> 6  
<211> 7  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: recombinant

<400> 6  
Tyr Pro Phe Val Glu Pro Ile  
1 5

<210> 7  
<211> 4  
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 7

Tyr Pro Phe Pro

1

<210> 8

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 8

Tyr Gly Gly Phe Leu

1

5

<210> 9

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 9

Tyr Gly Gly Phe Met

1

5

<210> 10

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 10

Tyr Pro Phe Pro

1

<210> 11  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 11  
Tyr Pro Phe Pro  
1

<210> 12  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 12  
Tyr Ala Gly Phe Leu  
1 5

<210> 13  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 13  
Tyr Ser Gly Phe Leu Thr  
1 5

<210> 14  
<211> 3  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 14  
Tyr Gly Phe  
1

<210> 15  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 15  
Tyr Ala Phe Asp Val Val Gly  
1 5

<210> 16  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 16  
Tyr Ala Phe Glu Val Val Gly  
1 5

<210> 17  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 17  
Tyr Met Phe His Leu Met Asp  
1 5

<210> 18  
<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant  
  
<400> 18  
Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn  
1 5 10 15  
  
Gln

<210> 19  
<211> 8  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: recombinant  
  
<400> 19  
Tyr Gly Gly Phe Leu Arg Arg Ile  
1 5

<210> 20  
<211> 13  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: recombinant  
  
<400> 20  
Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys  
1 5 10

<210> 21  
<211> 11  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: recombinant  
  
<400> 21  
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met

1

5

10

<210> 22  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 22  
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly  
1 5 10

<210> 23  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 23  
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys  
1 5 10

<210> 24  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 24  
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Arg  
1 5 10

<210> 25  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 25

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly  
1 5 10

<210> 26

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 26

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys  
1 5 10

<210> 27

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 27

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Arg  
1 5 10

<210> 28

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 28

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly  
1 5 10

<210> 29

<211> 13

<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 29  
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys  
1 5 10

<210> 30  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 30  
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Arg  
1 5 10

<210> 31  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 31  
Arg Pro Lys Pro  
1

<210> 32  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 32  
Arg Pro Lys Pro Gln Gln Phe  
1 5

<210> 33  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 33  
Arg Pro Lys Pro Gln Gln Phe Phe Gly  
1 5

<210> 34  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 34  
Arg Pro Lys Pro Gln Gln Phe Phe Trp Leu Met  
1 5 10

<210> 35  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 35  
Arg Pro Lys Pro Gln Gln Phe Phe Trp Leu Met Gly  
1 5 10

<210> 36  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant

<400> 36

Arg Pro Lys Pro Gln Gln Trp Phe Trp Leu Met  
1 5 10

<210> 37

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 37

Arg Pro Lys Pro Gln Gln Trp Phe Trp Leu Met Gly  
1 5 10

<210> 38

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 38

Arg Pro Cys Pro Gln Cys Phe Tyr Gly Pro Met  
1 5 10

<210> 39

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 39

Glu Phe Phe Gly Leu Met  
1 5

<210> 40

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 40

Glu Phe Phe Pro Leu Met

1

5

<210> 41

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 41

Asp Phe Phe Gly Leu Met

1

5

<210> 42

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 42

Tyr Pro Phe Phe Gly Leu Met

1

5

*al*  
*Cont*

<210> 43

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 43

Tyr Pro Phe Phe Pro Leu Met

1

5